1) This table shows the number of endangered animal species in various categories in the United States in 2004. Write each ratio as a fraction.

Type	Species	Type	Species
Mammals	69	Snails	21
Birds	77	Clams	62
Reptiles	14	Crustaceans	18
Amphibians	11	Insects	35
Fish	71	Arachnids	12

(*ecos.fws.gov/tess_public/TESSBoxscore*)

a. endangered arachnids to endangered crustaceans

b. endangered reptiles to endangered insects

c. endangered birds to endangered amphibians

d. endangered mammals to all endangered species in the list

2. Write each question as a proportion, and find the unknown number.

a. 75% of 68 is what number?

b. 120% of 37 is what number?

c. 270 is what percent of 90?

d. What percent of 18 is 0.2?

3. Write each ratio as a fraction. Be sure to include units in both the numerator and the denominator.

a. Jeremy's car will go 400 miles on 12 gallons of gas.

b. In 1988, Florence Griffith-Joyner ran 100 meters in 10.49 seconds.

c. In Monaco in 2000, 32,231 people lived in 1.95 square kilometers.

d. Light travels 186,282 miles in 1 second.

4. Find the value of the unknown number in each proportion.

a. $\frac{m}{2} = \frac{3}{4}$ **b.** $\frac{n}{14} = \frac{4.5}{7}$ **c.** $\frac{3}{4} = \frac{h}{14}$

d. $\frac{8}{7} = \frac{x}{22.4}$ **e.** $\frac{9}{14} = \frac{15.3}{b}$ **f.** $\frac{27}{18} = \frac{6}{y}$